

TWINNING REQUIREMENTS

FOR P-SERIES STANDARD AIR-CONDITIONING/HEAT-PUMP & HYPER HEAT-PUMP SYSTEMS

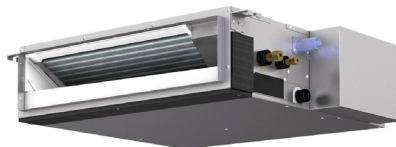
Job Name:

System Reference:

Date:

GENERAL FEATURES

- Through twinning, operate two indoor units from one outdoor unit—ideal for single area and unusually shaped rooms/zones or long narrow rooms/zone applications
- One hard-wired, wall-mounted PAR-31MAA remote controller simultaneously controls both indoor units
- Supply power wiring is connected to the outdoor unit power supply terminals
- A-Control: Wire from S1-S2-S3 on the outdoor unit directly to indoor unit 1 and then to indoor unit 2
- Control signal is transmitted between outdoor unit and both indoor units via data over the power connections
- Required Accessory for Combining Indoor Units: MSDD-50TR-E Distribution Pipe Kit (includes one distribution pipe each for liquid and gas, and choice of joint adapters)
- Limited warranty: five years parts and seven years compressors



PEA-A12,18AA4
Indoor Units



PKA-A12,18HA4
Indoor Units



PLA-A12,18BA 4
Indoor Units



PUZ-HA36NHA4 Hyper-heating
Outdoor Unit



PUY/PUZ-A24,36NHA4 Outdoor Unit

Outdoor Units	Indoor Units X 2		
PUY/PUZ-A24NHA4	PEA-A12AA4	PKA-A12HA4	PLA-A12BA4
PUY/PUZ-A36NHA4	PEA-A18AA4	PKA-A18HA4	PLA-A18BA4
PUZ-HA36NHA4	PEA-A18AA4	PKA-A18HA4	PLA-A18BA4

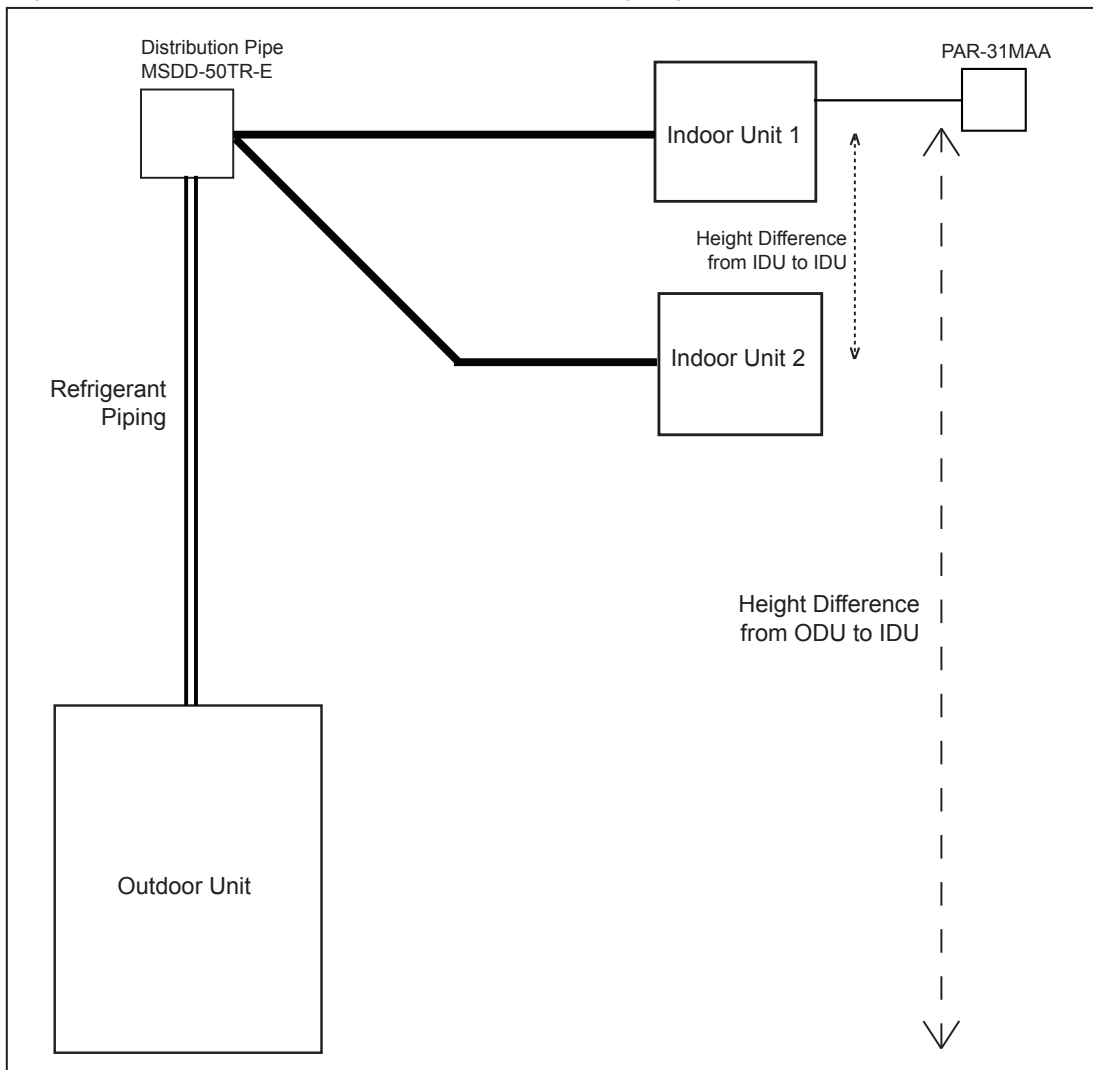


INVERTER

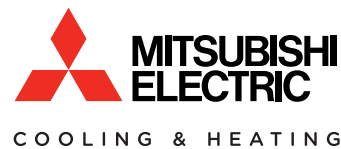
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Twinning Application Piping Information

- Maximum total piping length for PUY/PUZ-A24,36NHA4 Outdoor Units: 165' (50 m).
- Maximum total piping length for PUZ-HA36NHA4 Outdoor Units: 245' (75 m).
- Maximum height difference from IDU to IDU: 3' (1 m).
- Maximum height difference from ODU to IDUs: 100' (31 m); note: piping lengths to each IDU unit do not have to be equal.



- Both IDUs must have the same capacity, but do not have to be the same style. (PEA, PEAD, PKA, and PLA IDUs can be combined for one system. **Note: PUZ-HA36NHA4 systems with two PEA-A18AA4 qualify for Energy Star.**)
- Twinned IDUs operate simultaneously only; individual IDU control is not available.
- One PAR-31MAA remote controller controls both IDUs simultaneously.
- Temperature setpoint is set from the PAR-31MAA, choose one of three options on the controller to set the temperature sensing.
 - Average of the data from both IDU return air sensors (factory setting).
 - Data from the return air sensor in the IDU directly connected to the PAR-31MAA.
 - Data from the sensor in the PAR-31MAA only.
- ODU is automatically controlled using Mitsubishi Electric's INVERTER Technology; compressor, frequency, and LEV position will be adjusted as needed to maintain selected room conditions.
- Refer to P-Series Installation or Technical & Service Manuals for wiring diagrams.



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